ЧЕРЕПАШКО И СОЛНЦЕ.py - C:/Users/USER/AppData/Local/Pr

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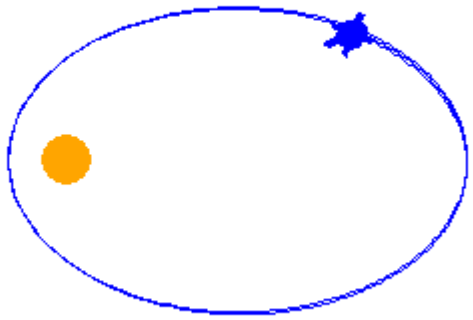
```
from turtle import *

color("orange")
dot(25)
center = pos()
color("blue")
shape("turtle")
speed(0)
penup()
goto(200, 0)
pendown()

G = 800
v = Vec2D(0, 1)
t = 0
dt = 1
while t < 1100:
    goto(pos() + v * dt)
    setheading(towards(center))
    r = distance(center)
    acc = (-G / r ** 3) * pos()
    v += acc * dt
    t += dt

mainloop()
```